

Federal Biobased Products Preferred Procurement Program (FB4P) Process for Industry Investigation

Designation Item

This section details the item that has been investigated for designation in the FB4P.

Item Investigated: Greases

Item Description: Lubricants composed of oil or oils thickened with soaps or thickeners to a semisolid or solid consistency.

Industry Investigation

There are four main sources of information used to gather data about items for designation. These include Internet search engines, the Thomas Register, industry associations, and biobased industry contacts. Each of these sources provides different results. The Internet search engines and the Thomas Register provide many results when a keyword is entered. However, when investigating products through the industry associations and biobased industry contacts, the results tend to be product or company specific. A lengthy, but thorough list of biobased companies which product the designation item can be developed best by utilizing all four information sources.

Internet Search Engines

When searching the Internet, each search engine utilizes a different algorithm to find related topics. To maximize results and ensure correct data, keywords are entered into several search engines. Primary search engines include Google, Yahoo, WebCrawler and Meta Crawler.

Search Engine	Keywords	Results
Google	Biobased Grease	www.biomatnet.org www.cleancontrol.com www.soygrease.com www.greenlubricants.com www.loctitecentral.com www.tsmoly.com
Vivisimo	See above	www.renewablelube.com www.unitedsoybean.org www.sciserv.org www.terresolve.com
Alta Vista	See above	www.1stenvirosafety.com www.abiluni.org www.noco.com www.renewablelube.com www.elmusa.com www.cortecvci.com www.psycholube.com www.fuchs-europe.de www.bechem.de

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Thomas Register

The Thomas Register, a free web service found at <http://www.thomasregister.com/>, provides a database of over 173,000 companies that can be searched by company name, product name or keyword. Each result contains contact information and may also include other useful information such as a product catalog.

Keyword	Results
Biobased grease	www.tmcindustries.com www.asaptec.com www.hbind.com www.allsealsinc.com www.astbearings.com www.lfpowers.com www.petro-canada.com www.lubricationtechnology.com www.thomasregister.com www.vaughninc.com www.mobil.com www.ecllube.com www.thomasregister.com
Biobased	Gemtek

Industry Associations

Industry associations provide a good source to identify potential manufacturers, determine additional keywords for internet searches, and provide general descriptions of products within an item. Many associations maintain official websites with lists of member organizations and in some cases catalogs of available products.

Association Investigated / Contacted	Results
United Soybean Board Biobased Manufacturers Association National Lubricating Grease Institute Strategic Soybean System Independent Lubricant Manufacturers Association Society of Tribologists and Lubrication Engineers IEEE American Public Power Association	www.elmusa.com www.renewablelube.com www.techoils.cargill.com

Biobased Company Contacts

Company contacts come as a result of interaction with government officials, researchers, and industry representatives. FB4P staff follow-up on personal referrals or potential leads to possible biobased products.

Company	Contact Person	Results
Environmental Lubricants Manufacturing, Inc.	Gene Tripp	SoyTrak Artic Blend Grease SoyTrack Multi-Season Grease SoyTrack™ Summer Grease BiotechBased Truck Fifth Wheel Grease ELM Textile Grease Multi-Purpose EP Lithium Grease SoyGrease™ Food Machinery NLGI Grade 1 ELM Cotton Picker Spindle Grease SoyGrease™ Multi-Purpose EP SoyTrack™ ALL Season Grease SoyTrack™ Winter Grease SoyGrease™ Heavy Duty Truck BiotechBased HD Truck Grease
Fuchs Lubricants Co.	Dr. Keith Nykerk	Biodegradable Track Grease
Cargill Industrial Oils & Lubricants	Mr. Brent Aufdembrink	Novus Biodegradable Grease
Renewable Lubricants, Inc.	Ms. Jacqueline Garmier	Bio-Food Grade E.P. Grease NLGI #1

Conclusion

The results from the four information sources indicate that 18 manufacturing companies in the United States are currently producing Greases that may be considered for inclusion in the Federal Biobased Products Preferred Procurement Program.